

CENTRAL INTELLIGENCE AGENCY

CLASSIFICATION

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25X1A

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to Czechoslovakia

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1. The figures given in the following chart constitute the results of the "average analysis", both chemical and physical, of crude oil delivered to Czechoslovakia from the Austrian oil fields of Lobau, Zistersdorf, Neusiedl, Hauskirchen and Bernhardsthal. The analysis was made at the refinery for mineral oils in Kolin nad Labem (O51/ M38).

	<u>Zistersdorf</u>	<u>Lobau</u>	<u>Neusiedl</u>	<u>Hauskirchen</u>	<u>Bernhardsthal</u>
γ_{15} (specific gravity at 15°C)	0.905	0.891	0.871	0.865	0.873
hardening point	17°C	11°C	10°C	3°C	14°C
ν_{20} (viscosity according to Engler at 20°C)	5.5°E	2.1°E/50	4.5°E	3.0°E	8.0°E
Conradson (% of acid in crude oil)*	2.2%	1.7%	1.1%	0.9%	1.1%
hard asphalt	0.10%	0.07%	0.05%	0.07%	0.08%
paraffin content	3.1%	-	4.5%	-	-
ashes	0.07%	0.02%	0.01%	0.01%	0.02%
(acidity?)	0.15	0.07	0.08	0.06	0.03

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2. The following chart indicates the quantity of gasoline in percent which can be obtained by distillation of crude oil from Austrian fields at the temperatures indicated in the left hand column:

	<u>Zistersdorf</u>	<u>Lobau</u>	<u>Neusiedl</u>	<u>Hauskirchen</u>	<u>Bernhardsthal</u>
100°C	-	-	1	3	-
120°C	-	1	3	6	1
140°C	-	2.5	5	9	2.5
160°C	0.5	3.5	7.5	12	5
180°C	2	4.5	9.5	14	7
200°C	4	6	13	17	9.5
220°C	6.5	8.5	17.5	22	11.5
240°C	11	11	20	27	14.5
260°C	15	14	27	33	18
280°C	21	20	29	39	23.5
300°C	27	32	33	44	30
320°C	32	40	39	49	36
340°C	39	46	45	55	42
360°C	48	54	49	62	48

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Comment: The Conradson test is used to determine the amount of carbon residue in a fuel or lubricating oil.

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